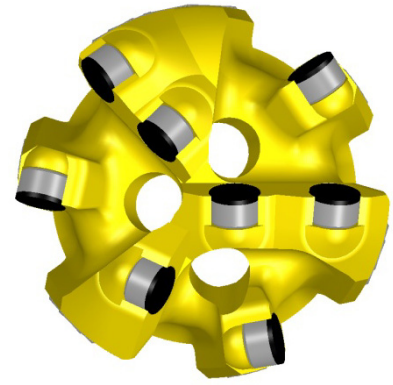


# Secoroc Rotary Products

## Dirt Digger PDC Bits



### 3-7/8" D013

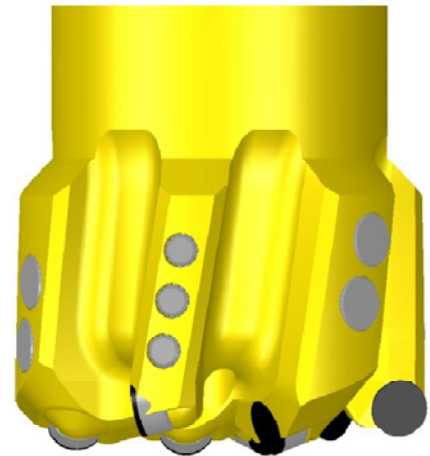
Adding value through performance

#### Applications:

- Cost effective PDC drill bit ideally suited for mining, construction, fiber optic, water well, geothermal and shallow oil & gas drilling
- Flat parabolic profile design offers maximum protection when drilling non-homogeneous and unconsolidated formations
- PDC bit advantages over a traditional roller cone bit include longer bit life, smoother drilling operations and increased penetration rates

#### Design Features:

- 3D designed one-piece 4140 alloy steel body is CNC machined to exact design specifications for maximum blade and body strength
- Optimized cutter distribution profile for blade count, cutter quantity, drilling conditions and bit stability
- Force-balanced PDC cutter locations minimize bit whirl and drill a precise round hole
- Asymmetrical blade layout reduces drilling harmonics



### Product Specifications:

#### General Data:

|                   |                     |
|-------------------|---------------------|
| - Body Type       | One-piece Steel     |
| - Gage Length     | 2.06 in / 52.3 mm   |
| - Overall Length  | 3.87 in / 98.298 mm |
| - Shipping Weight | TBD                 |
| - Product Number  | 91002852            |

#### Connection:

|                     |                      |
|---------------------|----------------------|
| - Pin Connection    | 2-1/2" UNC Box       |
| - Fishneck Diameter | 3.125 in / 79.375 mm |
| - Fishneck Length   | 1.41 in / 35.814 mm  |
| - Make-Up Length    | 3.87 in / 98.3 mm    |
| - Make-Up Torque    | TBD                  |

#### Cutting Structure:

|                   |               |
|-------------------|---------------|
| - Face Cutters    | 8 @ 13 mm PDC |
| - Back-Up Cutters | N/A           |
| - Gage Cutters    | N/A           |

#### Hydraulics:

|               |                     |
|---------------|---------------------|
| - Nozzle Type | 3 @ 20/32" Ports    |
| - TFA         | .92 in <sup>2</sup> |

#### Recommended Operating Parameters:

|                       |                  |
|-----------------------|------------------|
| - Weight on Bit (WOB) | 2,000-10,000 lbs |
| - Rotary Speed (RPM)  | 60-150 RPM       |